

Next Forecast Will Be Issued

16 MAR 2022

Launch Mission Execution Forecast

Mission: Falcon 9 Starlink 4-12

Issued: 15 Mar 2022 / 0830L (1230Z)

Valid: 18 Mar 2022 / 2314 – 0043L (19/0314 – 0443Z)



Forecast Discussion: An area of low pressure, now developing over the southern High Plains will continue its development as it moves eastward through the week. It becomes better organized over the lower Mississippi Valley by early Friday morning. The latest forecast guidance suggests an area of showers and thunderstorms will develop ahead of the low across parts of northern and central Florida along a surface boundary as it moves across the Florida peninsula. Showers are likely to accompany the boundary as it moves across the state. Therefore, the primary concern for launch day will be from Cumulus Clouds.

In the event of a delay, the low moves rapidly off to the northeast and this will cause the boundary to slow down across central Florida. With the boundary becoming hung up over Central Florida, the potential for showers will continue. The primary concern for the back-up day is from Cumulus Clouds.

	Probability of Violating Weather Constraints ¹												
Day	40% Primary Concerns: Cumulus Clouds												
ch	Weather Conditions						Additional Risk Criteria ²						
Launch	Weather/Visi	bility:	Sct Shwrs / 7 mi.	Туре	Clouds Coverage Base (ft)	Tops (ft)	Upper-Level Wind Shear:	Low					
	Temp/Humid	ity:	69°F / 90%	Cumulus	Scattered 2,500	12,000	Booster Recovery Weather:	Low to Moderate					
	Liftoff Winds	(200'):	180° 15 - 20 mph				Solar Activity:	Low					
	Probability of Violating Weather Constraints												
						40% Primary Concerns: Cumulus Clouds							
elay	40%	Prima	ary Concerns: Cum	ulus Clouds									
ur Delay	40%	Prima	•	ulus Clouds	าร		Additional Risk Cr	iteria					
	40% Weather/Visi		•		Clouds Coverage Base (ft)	Tops (ft)	Additional Risk Cr	iteria					
24-Hour Delay		bility:	Weather	r Conditio	Clouds	Tops (ft) 12,000							
	Weather/Visi Temp/Humid	bility:	Weather Sct Shwrs / 7 mi.	Type	Clouds Coverage Base (ft)		Upper-Level Wind Shear:	Low					